

Form PTO-1449  
Commerce  
(Rev. 2-32)

U.S. Department of  
Patent & Trademark Office

Atty. Docket No.

Q66049

Divisional of Serial No.: 09/233,451

Confirmation No.: not yet assigned

INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)

Applicant: Hiroshi KONUMA et al.

Filing Date:  
September 26, 2001

Group: not yet assigned

U.S. PTO  
09/26/01  
09/26/01

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
<del>1</del>	4,780,796	10/25/88	Fukuda et al.			
<del>2</del>	4,959,753	9/25/90	Kudoh et al.			
<del>3</del>	4,803,596	2/7/89	Hellwig et al.			
<del>4</del>	4,910,645	3/20/90	Jonas et al.			
<del>5</del>	5,455,736	10/3/95	Nishiyama et al.			
<del>6</del>	5,473,503	12/5/95	Sakata et al.			

FOREIGN PATENT DOCUMENTS

Document	Date	Country	Class	Sub-class	Translation Yes/No
<del>61-239617</del>	10/24/86	Japan			
<del>61-240625</del>	10/25/86	Japan			
<del>62-118509</del>	5/29/87	Japan			
<del>62-118511</del>	5/29/87	Japan			
<del>63-118323</del>	5/23/88	Japan			
<del>2-242816</del>	9/27/90	Japan			
<del>5-175082</del>	7/13/93	Japan			
<del>0 820 076</del>	1/21/98	Europe			
<del>8-53566</del>	2/27/96	Japan			
<del>0 825 626</del>	2/25/98	Europe			
<del>9-320901</del>	12/12/97	Japan			
<del>0 652 576</del>	5/10/95	Europe			
<del>10-32145</del>	2/3/98	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER:

DATE CONSIDERED:

2/6/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication.